DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
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Serious Drought.
Help save water!

August 7, 2015

11-Imp,SD-5,54,75,78,115,163-Var
11-410604
Project ID 1112000106
ACSTP-000C(402)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN SAN DIEGO AND IMPERIAL COUNTIES AT VARIOUS LOCATIONS.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on Thursday, August 13, 2015.

This addendum is being issued to revise the project plans, the *Notice to Bidders and Special Provisions*, the *Bid* book, and the Federal Minimum Wages with Modification Number 10 dated 08/07/2015.

Project plan sheets 36, 64, 65, 95, 131, 134, 135 and 152 are replaced and attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 5-1.36D, is replaced as attached.

In the Special Provisions, Section 15-2.02(B), is added as attached.

In the Special Provisions, Section 15-5.06, is added as attached.

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In the *Bid* book, in the "Bid Item List," Item 26 is replaced.

To *Bid* book holders:

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the *Notice to Bidders* section of the *Notice to Bidders and Special Provisions*.

Submit the *Bid* book as described in the *Electronic Bidding Guide* at the Bidders' Exchange website.

http://www.dot.ca.gov/hq/esc/oe/electronic_bidding/electronic_bidding.html

Inform subcontractors and suppliers as necessary.

This addendum, EBS addendum file, attachments and the modified wage rates are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/11/11-410604

If you are not a *Bid* book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

for LAURIE BERMAN
District Director

Attachments

Add to section 5-1.36D:

Utilities Requiring Coordination with Contractor's Construction Operation

Installation of the utilities shown in the following table requires coordination with your activities. Make the necessary arrangements with the utility company through the Engineer and submit a schedule:

1. Verified by a representative of the utility company
2. Allowing the time shown for notifying the utility owner and time to complete the work

The duration of the work in the schedule must equal or exceed the number of Notification Days (Utility N days) and Working Days (Utility W days) for the utility owner to complete their work:

Notification Days is the minimum number of calendar days written notice the Engineer provides the owner that the site will be ready for utility work.

Utility Working Days is the number of working days the Engineer provides the owner for utility work.

Type of Utility	Utility Work Description	Utility Owner & Address	Location of Utility	Utility N Days	Utility W Days
Fiber Optics Underground Cable	Protect in Place Standby Required	Level 3 Communications 7888 Ostrow St. Ste C San Diego, CA 92111 (858) 805-6052	Location #10 Utility Plan (U – 2) NE corner of 5th Ave and SB Rte 5 on ramp.	30	2
12 KV Underground Electric Pull Box	Remove	SDG&E 8315 Century Park Court Suite 210 San Diego, CA 92123 858-636-3980	Location #12 Utility Plan (U – 2) SW corner of 4th Ave and Date St.	60	5
Gas valve cover	Adjust to grade	SDG&E 8315 Century Park Court Suite 210 San Diego, CA 92123 858-636-3980	Location #21 Utility Plan (U – 5) Across SW corner of Calle Albara and Rte 54	60	2
Blow off valve	Protect in place	Otay Water District 2554 Sweetwater Springs Blvd. Spring Valley, CA 91978 (619) 670-2207	Location #25 Utility Plan (U – 5) SE corner of Falda Del Cerro Ct. and Rte 54	30	2

Man hole cover	Adjust to grade	AT&T 7337 Trade Street, #5686 San Diego, CA 92121 (858) 886-1901	Sta 7+80 on the east side of SR 78 Utility Plan (U – 6)	30	5
Vault cover	Adjust to grade	SDG&E 8315 Century Park Court Suite 210 San Diego, CA 92123 858-636-3980	Sta 9+03 on the east side of SR 78 Utility Plan (U – 6)	60	5
Man hole cover	Adjust to grade	AT&T 7337 Trade Street, #5686 San Diego, CA 92121 (858) 886-1901	Sta 12+43 on the east side of SR 78 Utility Plan (U – 6)	30	5
Pull box	Adjust to grade	SDG&E 8315 Century Park Court Suite 210 San Diego, CA 92123 858-636-3980	Sta 12+65 on the west side of SR 78 Utility Plan (U – 6)	60	5
Gas valve cover	Adjust to grade box and cover will be provided to contractor by SDG&E. Contractor to adjust to grade.	SDG&E 8315 Century Park Court Suite 210 San Diego, CA 92123 858-636-3980	Sta 12+80 on the east side of SR 78 Utility Plan (U – 6)	60	1
Pull box	Adjust to grade	Cox Communications Joe Griffith 1922 Avenida Del Oro Oceanside, CA 92056 (760)-806-2050	Sta 18+35 on the east side of SR 78 Utility Plan (U – 6)	30	2
Abandoned gas valve and cover	Remove	SDG&E 8315 Century Park Court Suite 210 San Diego, CA 92123 858-636-3980	Sta 19+16 on the east side of SR 78 Utility Plan (U – 6)	60	2
Pull box	Adjust to grade	SDG&E 8315 Century Park Court Suite 210 San Diego, CA 92123 858-636-3980	Sta 23+30 on the east side of SR 78 Utility Plan (U – 7)	60	2

Pull box	Relocate	Cox Communications Joe Griffith 1922 Avenida Del Oro Oceanside, CA 92056 (760)-806-2050	Sta 26+00 on the west side of SR 78 Utility Plan (U – 7)	30	5
Man hole cover	Adjust to grade	AT&T 7337 Trade Street, #5686 San Diego, CA 92121 (858) 886-1901	Sta 26+80 on the east side of SR 78 Utility Plan (U – 7)	30	5

Replace section 15-2.02B(3) with:

15-2.02B(3) Cold Planing Asphalt Concrete Pavement

15-2.02B(3)(a) General

Schedule cold planing activities to ensure that cold planing, placement of HMA, and reopening the area to traffic is completed during the same work shift.

If you do not complete HMA placement before opening the area to traffic, you must:

1. Construct a temporary HMA taper to the level of the existing pavement
2. Place HMA during the next work shift
3. Submit a corrective action plan that shows you will complete cold planing and placement of HMA in the same work shift. Do not restart cold planing activities until the Engineer approves the corrective action plan.

15-2.02B(3)(b) Materials

Use the same quality of HMA for temporary tapers that is used for the HMA overlay or comply with the specifications for minor HMA in section 39.

15-2.02B(3)(c) Construction

15-2.02B(3)(c)(i) General

Do not use a heating device to soften the pavement.

The cold planing machine must be:

1. Equipped with a cutter head width that matches the planing width. If the cutter head width is wider than the cold plane area shown, submit to the Engineer a request for using a wider cutter head. Do not cold plane unless the Engineer approves your request.
2. Equipped with automatic controls for the longitudinal grade and transverse slope of the cutter head and:
   2.1. If a ski device is used, it must be at least 30 feet long, rigid, and a 1-piece unit. The entire length must be used in activating the sensor.
   2.2. If referencing from existing pavement, the cold planing machine must be controlled by a self-contained grade reference system. The system must be used at or near the centerline of the roadway. On the adjacent pass with the cold planing machine, a joint-matching shoe may be used.
3. Equipped to effectively control dust generated by the planing operation
4. Operated so that no fumes or smoke is produced.

Replace broken, missing, or worn machine teeth.

15-2.02B(3)(c)(ii) Grade Control and Surface Smoothness

Furnish, install, and maintain grade and transverse slope references.

The depth, length, width, and shape of the cut must be as shown or as ordered. The final cut must result in a neat and uniform surface. Do not damage the remaining surface.

The completed surface of the planed asphalt concrete pavement must not vary more than 0.02 foot when measured with a 12-foot straightedge parallel with the centerline. With the straightedge at right angles to the centerline, the transverse slope of the planed surface must not vary more than 0.03 foot.

Where lanes are open to traffic, the drop-off of between adjacent lanes must not be more than 0.15 foot.

15-2.02B(3)(c)(iii) Temporary HMA Tapers

If a drop-off between the existing pavement and the planed area at transverse joints cannot be avoided before opening to traffic, construct a temporary HMA taper. The HMA temporary taper must be:

1. Placed to the level of the existing pavement and tapered on a slope of 30:1 (horizontal:vertical) or flatter to the level of the planed area
2. Compacted by any method that will produce a smooth riding surface

Completely remove temporary tapers before placing permanent surfacing.

15-2.02B(3)(c)(iv) Remove Planed Material

Remove cold planed material concurrent with planing activities so that removal does not lag more than 50 feet behind the planer.

15-2.02B(3)(d) Payment

Payment for removal of pavement markers, thermoplastic traffic stripe, painted traffic stripe, and pavement marking within the area of cold planing is included in the payment for cold plane asphalt concrete pavement of the types shown in the Bid Item List.

Replace item 1 in the list in the 1st paragraph of section 15-5.06A(2) with:

1. Schedule of overlay work for the trial overlay and for each bridge

Replace the paragraphs of section 15-5.06A(3) with:

Complete a trial polyester concrete overlay before starting overlay activities. Notify the Engineer at least 15 days before constructing the trial overlay.

The trial overlay must be:

1. At least 12 by 12 feet and the same thickness as the overlay shown
2. Constructed on a prepared concrete base within the project limits at an authorized location
3. Constructed (1) using the same materials, equipment, and construction methods to be used in the work and (2) under conditions similar to those anticipated when the work will be performed

Use the trial overlay to determine the initial polyester-concrete set time.

The Engineer performs friction testing of the trial overlay under California Test 342. Allow 10 days after completion of the trial overlay for the Engineer to perform the testing.

The completed trial overlay must demonstrate (1) compliance with these specifications and (2) that the work will be completed within the time allowed.

Do not perform overlay activities until the trial overlay is authorized. The authorized trial overlay is the standard of comparison in determining the acceptability of the overlay.

The Engineer may perform testing under California Test 342 to verify the coefficient of friction of the overlay surfaces.

Dispose of the trial overlay and concrete base after acceptance of all polyester concrete overlay surfaces.

Replace the 8th paragraph of section 15-5.06C(1) with:

Finishing equipment for polyester concrete must:

1. Have grade control capabilities resulting in a roadway surface that meets the smoothness requirements of section 51-1.01D(4)(b) and is capable of adjusting for a variable thickness overlay along and across the existing deck surface. The use of fixed height skid-supported strike off equipment is not allowed.
2. Be used to consolidate the polyester concrete
3. Have a 12-foot minimum paving width

Replace the 13th paragraph of section 15-5.06C(1) with:

The approximate rate of application of methacrylate resin is 90 sq ft/gal.

Replace the 21st paragraph of section 15-5.06C(1) with:

Completed polyester concrete deck surfaces must have a uniform surface texture with a coefficient of friction of at least 0.35 when tested under California Test 342 and a surface smoothness complying with section 51-1.01D(4)(b).

Add to section 15-5.06C(1):

You may use a mechanical mixer to mix the polyester concrete. The mixer capacity must not exceed 9 cu ft unless authorized. Initiate the resin binder and thoroughly blend it immediately before mixing it with the aggregate. Mix the polyester concrete for at least 2 minutes before placing.

BID ITEM LIST
11-410604

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	150812	REMOVE PIPE (LF)	LF	6		
22	150820	REMOVE INLET	EA	2		
23	152320	RESET ROADSIDE SIGN	EA	8		
24	152390	RELOCATE ROADSIDE SIGN	EA	3		
25	152400	ADJUST SEWER CLEANOUT TO GRADE	EA	2		
26	029282	ADJUST WATER METER BOX	EA	7		
27	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	230		
28	153227	FURNISH POLYESTER CONCRETE OVERLAY	CF	16		
29 (F)	153228	PLACE POLYESTER CONCRETE OVERLAY	SQFT	156		
30	153247	REMOVE CONCRETE (MISCELLANEOUS) (CY)	CY	430		
31	160102	CLEARING AND GRUBBING (LS)	LS	LUMP SUM	LUMP SUM	
32	190101	ROADWAY EXCAVATION	CY	7		
33	190105	ROADWAY EXCAVATION (TYPE Z-2) (AERIALLY DEPOSITED LEAD)	CY	18		
34	198010	IMPORTED BORROW (CY)	CY	5		
35	390132	HOT MIX ASPHALT (TYPE A)	TON	190		
36	420201	GRIND EXISTING CONCRETE PAVEMENT	SQYD	2		
37 (F)	029283	STRUCTURAL CONCRETE (JUNCTION STRUCTURE)	CY	2.7		
38 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	6		
39	511123	CONCRETE (RAPID SETTING)	CY	570		
40	519088	JOINT SEAL (MR 1")	LF	80		

REPLACED PER ADDENDUM NO. 1 DATED AUGUST 7, 2015